



EXCELLENCE IN LUBRICANTS

SAFETY DATA SHEET

Excelfluid NPX



EXOL LUBRICANTS LIMITED

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Excellfluid NPX

Product Code: S043

SECTION 1	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING
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1.1 Product Identifier	Excellfluid NPX
Product Code	S043
1.2 Relevant identified uses of the substance or mixture and uses advised against	Emulsifiable fluid for metalworking applications Do not use in any other application.
1.3 Company	Exol Lubricants Limited All Saints Road Wednesbury, West Midlands, WS10 9TS
1.4 Emergency Telephone Number	+44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)
1.5 Other Information	Preparation Date: 24/10/2016

SECTION 2	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture	CLP Classification: Skin Irrit. 2; H315 Eye Dam. 1; H318
See section 16 for full text of H Statements	
2.2 Label Elements	Labelling in accordance with CLP



DANGER

Hazard Statements:	H318: Causes serious eye damage H315: Causes skin irritation
Precautionary Statements:	P102: Keep out of reach of children. P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+352: IF ON SKIN: Wash with plenty of water/soap. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTER/doctor.
2.3 Other Hazards	PBT: This product is not identified as a PBT/vPvB substance

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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3.2 Mixtures

Hazardous Ingredients	EINECS / CAS	REACH Reg. No.	GHS Classification	Conc. %
Base Oil	64742-53-6	No data available	Asp. Tox. 1: H304	70 - 90
N,N' Methylene Bis Morpholine	227-062-3	No data available	Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318; Acute Tox. 4: H332	1 - 10
2,2-Butoxyethoxy Ethanol	203-961-6	No data available	Eye Irrit. 2: H319	1 – 10
Fatty Acid Tall Oil, Potassium Salt	61790-44-1	No data available	Skin Irrit. 2: H315; Eye Irrit. 2: H319	1 - 10
Rape Oil, Reaction Product With 2'2 Iminodiethanol	269-125-8	No data available	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1 - 10



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SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eyes Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Skin Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Ingestion Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin Contact There may be irritation and redness at the site of contact.

Eye Contact There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage

Ingestion There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur

Inhalation There may be irritation of the throat with a feeling of tightness in the chest

Delayed / immediate effects Immediate effects can be expected after short-term exposure.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Eye bathing equipment should be available on the premises

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Specific hazards arising from the substance or mixture In combustion emits toxic fumes.

5.3 Advice for fire-fighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections Personal protective equipment: See section 8

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities **Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. **Suitable packaging:** Plastic / Metal

7.3 Specific end use(s) No data available.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC No data available

8.2 Exposure controls

Engineering Measures Ensure there is sufficient ventilation of the area.

Respiratory Protection Self-contained breathing apparatus must be available in case of emergency.

Hand Protection Protective gloves.

Eye Protection Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin Protection Protective clothing.



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Environment Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. Take appropriate measures to fulfil the requirements of relevant environmental protection legislation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Does not constitute a specification

Typical Values

Grade:		Excellfluid NPX
Appearance	Units	Amber Liquid
Odour		Bland
Odour Threshold		No data available
pH		9.3 (typ)
Relative density	kg/m³	0.92 typ
Solubility - water		Soluble
Freezing Point	°C	No data available
Initial boiling point and range	°C	No data available
Flash point	°C	>190
Flammability		No data available
Upper/lower flammability or explosive limits		No data available
Vapour pressure	kPa (0.1 mm Hg)	No data available
Partition coefficient n-octanol/water	Log Pow	Not applicable
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm²/s	Viscous
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		None
Oxidising properties		None

9.2 Other Information Not Applicable.

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	Stable under recommend transport or storage conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4 Conditions to avoid	Extremes of Temperature Protect from frost
10.5 Incompatible materials	Strong oxidising agents. Strong acids.
10.6 Hazardous decomposition products	In combustion emits toxic fumes.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity	
Oral	N,N` Methylene Bis Morpholine - LD50 RAT ORAL 550 mg/kg
Skin Corrosion / Irritation	Dermal – Hazardous: Calculated
Serious Eye Damage / Irritation	Optical - Hazardous: Calculated
Symptoms / routes of exposure	
Skin Contact	Immediate effects can be expected after short-term exposure.
Eye contact	Immediate effects can be expected after short-term exposure.
Ingestion	Immediate effects can be expected after short-term exposure.



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Inhalation Immediate effects can be expected after short-term exposure.
Delayed / immediate effects Immediate effects can be expected after short-term exposure.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and Degradability	No data available
12.3 Bioaccumulative Potential	No data available
12.4 Mobility in Soil	Soluble in water
12.5 Results of PBT and vPvB Assessment	This product is not identified as a PBT substance.
12.6 Other Adverse Effects	No data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: No information available

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations

14.1 UN Number	None
14.2 UN Proper Shipping Name	None
14.3 Transport Hazard Class	None
14.4 Packing Group	None
14.5 Environmental Hazards	Not classified as an Environmentally hazardous substance/Marine Pollutant
14.6 Special Precautions for User	See section 8 for safe handling
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable to packaged goods

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.
15.2 Chemical Safety Assessment	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16 OTHER INFORMATION

Fifth Issue

Fourth Issue March 2015: Changed classification and composition

Third Issue April 2014: Changed to new format.

Second Issue October 2013: Updated hazard statements due to formulation change

First Issue: January 2008 revised to Reach version 2 format

Full text of classification data in sections 2 and 3

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways

H314: Causes severe skin burns and eye damage

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.